

Document Name: Claims

1. A package film for packaging an electrode material, characterized in that the package film comprises:

5 a moisture proof layer of an aluminum foil, and an intermediate layer of an oriented nylon, which is located inside of the moisture proof layer and faces the electrode material.

10 2. The package film of claim 1, further comprising an outermost layer of PET and an innermost layer of LLD-PEF.

3. An electrode material package, characterized in that it comprises:

15 a roll of an electrode material which is wound onto a winding core,

a pair of flanges which hold both sides of the roll of the electrode material through a pair of cushion materials, and which have a side face larger than a contour of the roll of the electrode material, and

20 a package film which packages the roll of the electrode material,

the package film comprising a moisture proof layer of an aluminum foil, and an intermediate layer of an oriented nylon, which is located inside of the moisture proof layer and faces the electrode material.

4. The electrode material package of claim 3,
characterized in that:

5 the winding core, on which the roll of the electrode
material is wound, is secured to the flange with screws, so
that the pair of flanges hold the roll of the electrode
material.

10 5. The electrode material package of claim 3,
characterized in that:

the winding core, on which the roll of the electrode
material is wound, is projected from the roll of the
electrode material to pass through the flange, and

15 the projected portion of the winding core is provided
with an outer thread, with which a stopper ring is engaged,
so that the pair of flanges hold the roll of the electrode
material.

20 6. The electrode material package of claim 3,
characterized in that:

the winding core, on which the roll of the electrode
material is wound, has a center hole extending along its
longitudinal axis,

25 a pair of core caps are provided on outer sides of the
pair of flanges, each of the core caps passing through the

flange to engage with the center hole of the winding core,
and

each of the core caps is engaged into the center hole
of the winding core through the flange, so that the pair of
5 flanges hold the roll of the electrode material.

7. An electrode material package, characterized in that
it comprises:

10 a plurality of rolls of electrode materials, each of
which is wound onto a winding core,

cushion materials, each of which is interposed between
the rolls of the electrode materials,

15 a skid shaft which passes through the winding cores,
on each of which the roll of the electrode material is
wound, and the cushion materials to thereby support them
thereon, and

a moisture proof casing, which encloses the rolls of
the electrode materials and the cushion materials, and is
removably attached to the skid shaft.

20

8. The electrode material package of claim 7, further
comprising:

25 a pair of flanges which hold the rolls of the
electrodes and the cushion materials, and each of which has
a larger side face than a contour of the roll of the

electrode material.

9. The electrode material package of claim 7, characterized in that:

5 one end portion of the skid shaft is enclosed in the casing, and the other end portion of the skid shaft is projected out of the casing,

10 the one end portion of the skid shaft is engaged with a stopper ring, and the other end portion of the skid shaft is provided with a flange portion, so that the rolls of the electrode materials are held between the flange portion of the skid shaft and the stopper ring.

15 10. The electrode material package of claim 7, characterized in that:

the casing comprises a casing body and a lid fixed to the skid shaft.

20 11. The electrode material package of claim 8, characterized in that:

the casing comprises a casing body and a lid fixed to the skid shaft, and

the lid functions as one of the pair of the flanges.

25 12. An electrode material package, characterized in that

it comprises:

5 a support shaft for supporting one or more rolls, each of which comprises a hollow cylindrical core and wound layers of a continuous sheet wound thereon, the support shaft passing through the hollow cylindrical core of the roll,

10 a base plate which extends from the support shaft to the extent larger than a radius of the roll, and which supports a whole side face of the wound layers of the continuous sheet through a cushion material,

15 an end plate which extends from the support shaft to the extent larger than the radius of the roll, and which supports a whole side face of the wound layers of the continuous sheet through a cushion material, and presses the same toward the base plate,

a cushion material, which is provided when two or more of the rolls are provided, and which is compressed between the whole side faces of the wound layers of adjacent rolls, and

20 a cover which covers the rolls supported on the support shaft,

the thickness of the cushion materials in the longitudinal direction of the support shaft being selected, so that at least one space can be formed, between the core 25 of the roll and the base plate, between the core of the

roll and the end plate, and between the cores of the adjacent rolls if two or rolls are provided.

13. The electrode material package of claim 12,
5 characterized in that:

the cushion material is provided with a cutout portion through which the space can be confirmed from outside.

14. The electrode material package of claim 12 or 13,
10 characterized in that:

the cover is a transparent cover, which is connected to the peripheral edge of the base plate to seal the roll supported on the support shaft.

15. 15. The electrode material package of claim 14,
characterized in that:

an annular connection ring is further provided, which tightens up the peripheral sides of the transparent cover and the base plate to connect them, and

20 the connection ring is provided with a lever member with which the tightening up operation can be completed in one-touch.

16. A stand for a package, comprising one of the electrode
25 material packages of claims 12 to 15.